



# Sloan Digital Sky Survey Extension

## Briefing

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- **Status of SDSS**
- **3 year extension (2005-2008)**
- **Funding and Resources**



# Current CD in SDSS

## Role:

**Data processing**  
**Survey Planning**  
**Plugplate design**  
**Data distribution**  
**File**  
**Databases**  
**DAQ systems (support)**

## Participants:

EAG

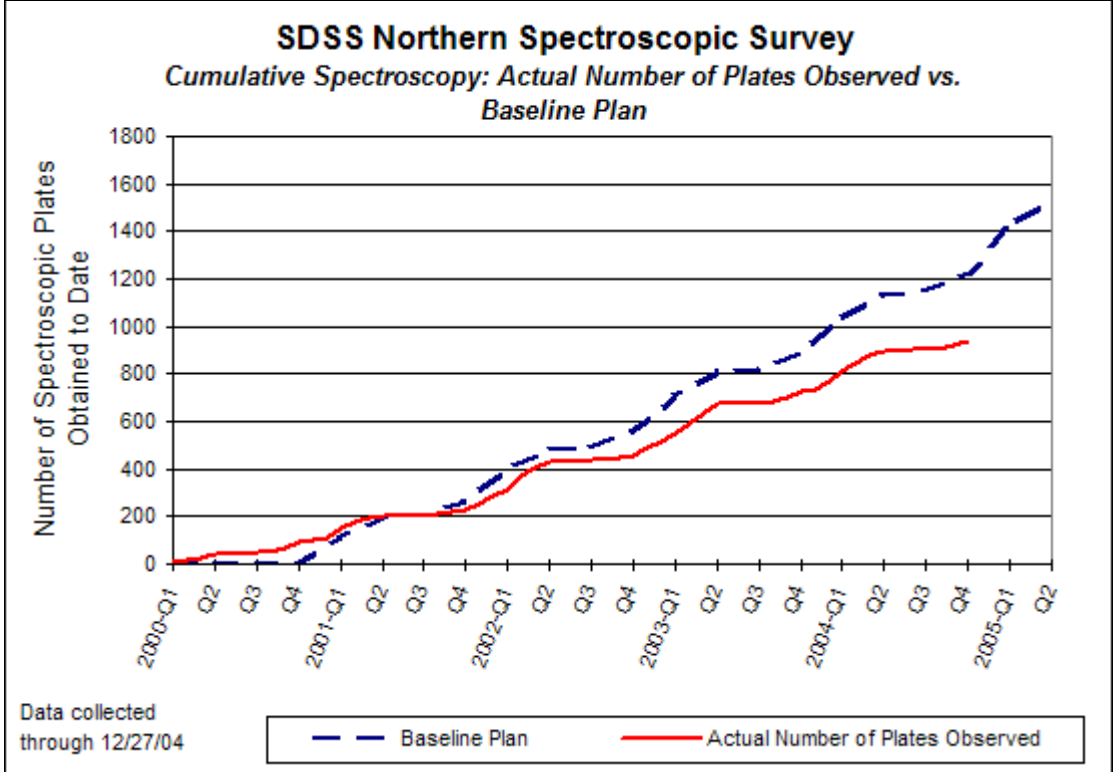
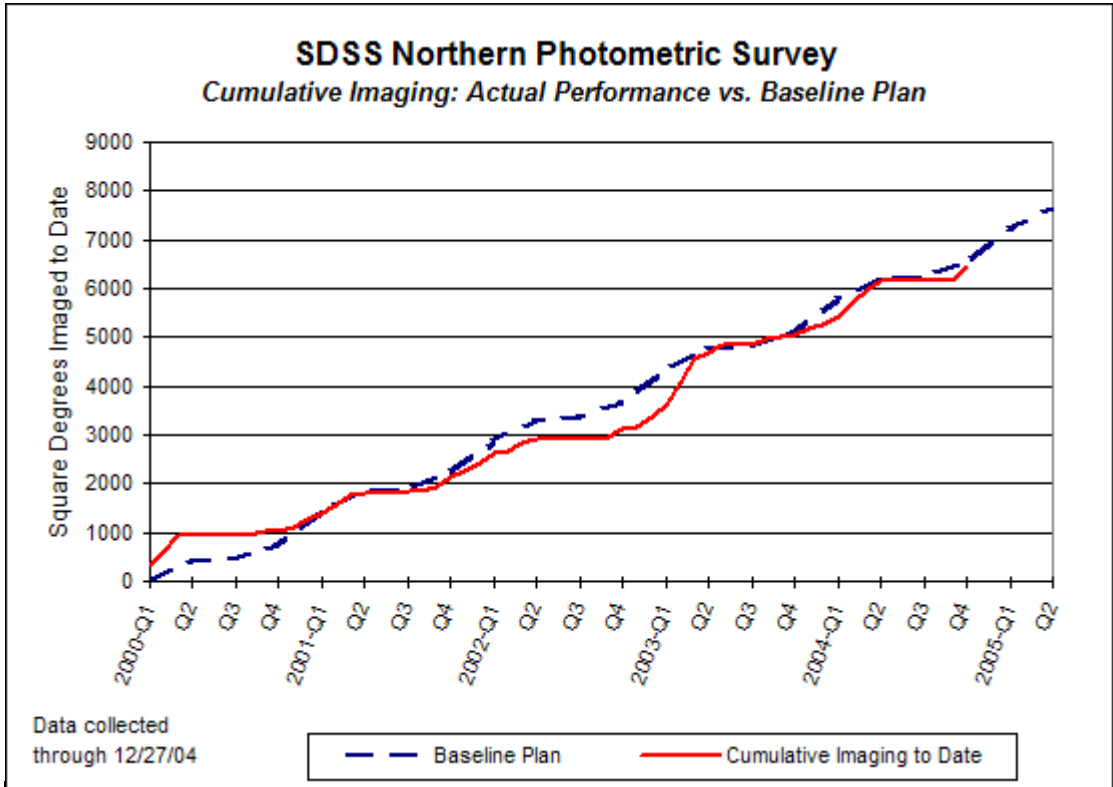
**2.1 Scientists**  
**1.0 Postdoc**  
**3 CP (CD funded)**  
**0.5 CP (ARC funded)**

CD (outside EAG)

**1 CP (ARC funded)**  
**~0.8 CP (CD funded)**



# "Integrated Luminosity" vs. 5 Year Baseline





# To the Future: SDSS Extension (2005-2008)

- **Cost**
  - **\$14.9 M over 3 years**
- **Funding**
  - **Proposal Sloan Foundation (\$5.4 M) - approved pending final funding plan**
  - **Proposal to NSF (\$5.4 M) - review tomorrow**
  - **Member Institutions (\$4 M)**
    - **Cash**
    - **In-Kind**



# CD tasks and resources

- **Tasks**

- **DAQ upgrade**
- **Survey planning**
- **Plugplate design**
- **Legacy, SEGUE, SNe data processing**
- **Data distribution**

- **Required resources**

- **2.0 FTE scientist**
- **1.0 FTE postdoc (ARC)**
- **3 CP (ARC)**
- **\$200K M&S/yr**
- **\$240.5K DAQ upgrade (one time only) labor, M&S**
- **We could use 2 FTEs of appropriate skills NOW**



# EAG Balancing Act

- EAG will have 9 scientists, 5 CP FNAL or ARC funded and working on astrophysics
- Next few years (assuming extension goes)
  - SDSS (MOU):
    - 2.0 Scientists
    - 3 CPs (ARC Funded)
    - 1 Postdoc (ARC Funded)
  - SDSS related research: 1.0 Scientists
  - SNAP: 1.25 Scientists, .5 CP
  - DES: 1.5 Scientists, 1.5 CP
  - Research: 1.75 Scientists
  - Other: 0.5 Scientists